



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002

TIME: 07:27:21

 Input Set : A:\Osanai Seq Lst 1-4-02.txt  
 Output Set: N:\CRF3\02072002\I831951A.raw

 Does it - Completely  
 correct or  
 Incomplete  
 or  
 Needs

1 <110> APPLICANT: SUNTORY LIMITED  
 W--> 2 <120> TITLE OF INVENTION: Inhibitor and Activator of Coupling Factor-6 and Antigen thereto  
 W--> 3 <130> FILE REFERENCE: YCT-515  
 W--> 4 <140> CURRENT APPLICATION NUMBER: (PCT/JP00/5210A)  
 C--> 5 <141> CURRENT FILING DATE: (2001-05-16)  
 6 <150> PRIOR APPLICATION NUMBER: JPA 264687/99  
 7 <151> PRIOR FILING DATE: 1999-09-17  
 W--> 8 <160> NUMBER OF SEQ ID: 24  
 10 <210> SEQ ID NO: 1  
 11 <211> LENGTH: 76  
 12 <212> TYPE: PRT  
 13 <213> ORGANISM: Human  
 W--> 14 <400> SEQUENCE: 1  
 15 Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu  
 16 1 5 10  
 17 Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser  
 18 15 20  
 19 Lys Arg Gln Thr Ser Gly Gly Pro Val Asp  
 20 25 30  
 21 Ala Ser Ser Glu Tyr Gln Gln Glu Leu Glu  
 22 35 40  
 23 Arg Glu Leu Phe Lys Leu Lys Gln Met Phe  
 24 45 50  
 25 Gly Asn Ala Asp Met Asn Thr Phe Pro Thr  
 26 55 60  
 27 Phe Lys Phe Glu Asp Pro Lys Phe Glu Val  
 28 65 70  
 29 Leu Glu Lys Pro Gln Ala  
 30 75  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 76  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Rat  
 W--> 36 <400> SEQUENCE: 2  
 37 Asn Lys Glu Leu Asp Pro Val Gln Lys Leu  
 38 1 5 10  
 39 Phe Leu Asp Lys Ile Arg Glu Tyr Lys Ala  
 40 15 20  
 41 Lys Arg Leu Ala Ser Gly Gly Pro Val Asp  
 42 25 30  
 43 Thr Gly Pro Glu Tyr Gln Gln Glu Val Asp  
 44 35 40  
 45 Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002  
TIME: 07:27:21

Input Set : A:\Osanai Seq Lst 1-4-02.txt  
Output Set: N:\CRF3\02072002\I831951A.raw

46 45 50  
 47 Gly Lys Gly Glu Met Asp Lys Phe Pro Thr  
 48 55 60  
 49 Phe Asn Phe Glu Asp Pro Lys Phe Glu Val  
 50 65 70  
 51 Leu Asp Lys Pro Gln Ser  
 52 75  
 55 <210> SEQ ID NO: 3  
 56 <211> LENGTH: 5  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Unknown  
**W--> 59 <220> FEATURE:**  
**W--> 60 <221> NAME/KEY:**  
 61 <222> LOCATION:  
 62 <223> OTHER INFORMATION: Enterokinase recognition site  
**W--> 63 <400> SEQUENCE: 3** ← number the amino acids under every S and amide  
 64 Asp Asp Asp Asp Lys  
 66 <210> SEQ ID NO: 4  
 67 <211> LENGTH: 139  
 68 <212> TYPE: PRT  
 69 <213> ORGANISM: E. coli  
**W--> 70 <400> SEQUENCE: 4**  
 71 Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp  
 72 1 5 10 15  
 73 Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His  
 74 20 25 30  
 75 Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp  
 76 35 40 45  
 77 Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe  
 78 50 55 60  
 79 Ala Trp Phe Pro Ala Pro Glu Ala Val Pro Glu Ser Leu Leu Glu  
 80 65 70 75  
 81 Ser Asp Leu Pro Glu Ala Asp Thr Val Val Val Pro Ser Asn Trp  
 82 80 85 90  
 83 Gln Met His Gly Tyr Asp Ala Pro Ile Tyr Thr Asn Val Thr Tyr  
 84 95 100 105  
 85 Pro Ile Thr Val Asn Pro Pro Phe Val Pro Thr Glu Asn Pro Thr  
 86 110 115 120  
 87 Gly Ser Tyr Ser Leu Thr Phe Asn Val Asp Glu Ser Trp Leu Gln  
 88 125 130 135  
 89 Glu Gly Gln Thr  
 92 <210> SEQ ID NO: 5  
 93 <211> LENGTH: 97  
 94 <212> TYPE: PRT  
 95 <213> ORGANISM: E. coli  
**W--> 96 <400> SEQUENCE: 5**  
 97 Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp  
 98 1 5 10 15  
 99 Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002

TIME: 07:27:21

Input Set : A:\Osanai Seq Lst 1-4-02.txt

Output Set: N:\CRF3\02072002\I831951A.raw

100	20	25	30
101	Pro Pro Phe Ala Ser Trp Arg Asn Ser Asp Asp Ala Arg Thr Asp		
102	35	40	45
103	Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe		
104	50	55	60
105	Ala Trp Phe Pro Ala Pro Glu Ala Val Pro Asp Ser Leu Leu Asp		
106	65	70	75
107	Ser Asp Leu Pro Glu Ala Asp Thr Val Val Val Pro Ser Asn Trp		
108	80	85	90
109	Gln Met His Gly Tyr Asp Ala		
110	95		
113	<210> SEQ ID NO: 6		
114	<211> LENGTH: 23		
115	<212> TYPE: DNA		
116	<213> ORGANISM: Artificial Sequence		
W--> 117	<220> FEATURE:		
W--> 118	<221> NAME/KEY:		
119	<222> LOCATION:		
120	<223> OTHER INFORMATION: Primer used in PCR method		
W--> 121	<400> SEQUENCE: 6		
122	atgactgttc agaggatctt cag	23	
124	<210> SEQ ID NO: 7		
125	<211> LENGTH: 27		
126	<212> TYPE: DNA		
127	<213> ORGANISM: Artificial Sequence		
W--> 128	<220> FEATURE:		
W--> 129	<221> NAME/KEY:		
130	<222> LOCATION:		
131	<223> OTHER INFORMATION: Primer used in PCR method		
W--> 132	<400> SEQUENCE: 7		
133	qtcgactca gactgggtt tgtcgag	27	
135	<210> SEQ ID NO: 8		
136	<211> LENGTH: 23		
137	<212> TYPE: DNA		
138	<213> ORGANISM: Artificial Sequence		
W--> 139	<220> FEATURE:		
W--> 140	<221> NAME/KEY:		
141	<222> LOCATION:		
142	<223> OTHER INFORMATION: Primer used in PCR method		
W--> 143	<400> SEQUENCE: 8		
144	atgattcttc agaggcttt cag	23	
146	<210> SEQ ID NO: 9		
147	<211> LENGTH: 28		
148	<212> TYPE: DNA		
149	<213> ORGANISM: Artificial Sequence		
W--> 150	<220> FEATURE:		
W--> 151	<221> NAME/KEY:		
152	<222> LOCATION:		
153	<223> OTHER INFORMATION: Primer used in PCR method		

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002  
TIME: 07:27:21

Input Set : A:\Osanai Seq Lst 1-4-02.txt  
Output Set: N:\CRF3\02072002\I831951A.raw

W--> 154 <400> SEQUENCE: 9  
155 gtcgactcg gctgggggtt tttcgatg 28  
157 <210> SEQ ID NO: 10  
158 <211> LENGTH: 45  
159 <212> TYPE: DNA  
160 <213> ORGANISM: Artificial Sequence  
W--> 161 <220> FEATURE:  
W--> 162 <221> NAME/KEY:  
163 <222> LOCATION:  
164 <223> OTHER INFORMATION: Gene coding for enterokinase recognition site and Eco RI  
recognition  
165 site  
W--> 166 <400> SEQUENCE: 10  
167 gaattcgacg atgacgataa gaataaggaa cttgatcctg tacag 45  
169 <210> SEQ ID NO: 11  
170 <211> LENGTH: 46  
171 <212> TYPE: DNA  
172 <213> ORGANISM: Artificial Sequence  
W--> 173 <220> FEATURE:  
W--> 174 <221> NAME/KEY:  
175 <222> LOCATION:  
176 <223> OTHER INFORMATION: Gene coding for enterokinase recognition site and Eco RI  
recognition  
177 site  
W--> 178 <400> SEQUENCE: 11  
179 gaattcgacg atgacgataa gaataaggaa cttgatccta tacaga 46  
181 <210> SEQ ID NO: 12  
182 <211> LENGTH: 20  
183 <212> TYPE: PRT  
184 <213> ORGANISM: rat  
W--> 185 <400> SEQUENCE: 12  
186 Cys Phe Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu  
187 1 5 10 15  
188 Asp Lys Pro Gln Ser  
189 20  
190 <210> SEQ ID NO: 13  
191 <211> LENGTH: 20  
192 <212> TYPE: PRT  
193 <213> ORGANISM: rat  
W--> 194 <400> SEQUENCE: 13  
195 Tyr Phe Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu  
196 1 5 10 15  
197 Asp Lys Pro Gln Ser  
198 20  
201 <210> SEQ ID NO: 14  
202 <211> LENGTH: 19  
203 <212> TYPE: PRT  
204 <213> ORGANISM: human  
W--> 205 <400> SEQUENCE: 14  
206 Cys Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln  
207 1 5 10 15

## RAW SEQUENCE LISTING

PATIENT APPLICATION: US/09/831,951A

DATE: 02/07/2002

TIME: 07:27:21

Input Set : A:\Osanai Seq Lst 1-4-02.txt  
 Output Set: N:\CRF3\02072002\I831951A.raw

208 Thr Ser Gly Gly

211 &lt;210&gt; SEQ ID NO: 15

212 &lt;211&gt; LENGTH: 18

213 &lt;212&gt; TYPE: PRT

214 &lt;213&gt; ORGANISM: human

W--&gt; 215 &lt;400&gt; SEQUENCE: 15

216 Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln Thr  
 217 1 5 10 15

218 Ser Gly Gly

221 &lt;210&gt; SEQ ID NO: 16

222 &lt;211&gt; LENGTH: 39

223 &lt;212&gt; TYPE: PRT

224 &lt;213&gt; ORGANISM: rat

W--&gt; 225 &lt;400&gt; SEQUENCE: 16

226 Asn Lys Glu Leu Asp Pro Val Gln Lys Leu Phe Leu Asp Lys Ile  
 227 1 5 10 15

228 Arg Glu Tyr Lys Ala Lys Arg Leu Ala Ser Gly Gly Pro Val Asp  
 229 20 25 30

230 Thr Gly Pro Glu Tyr Gln Gln Glu Val

231 35

234 &lt;210&gt; SEQ ID NO: 17

235 &lt;211&gt; LENGTH: 16

236 &lt;212&gt; TYPE: PRT

237 &lt;213&gt; ORGANISM: rat

W--&gt; 238 &lt;400&gt; SEQUENCE: 17

239 Asp Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr Gly Lys Gly Glu  
 240 1 5 10 15

241 Met

244 &lt;210&gt; SEQ ID NO: 18

245 &lt;211&gt; LENGTH: 9

246 &lt;212&gt; TYPE: PRT

247 &lt;213&gt; ORGANISM: rat

W--&gt; 248 &lt;400&gt; SEQUENCE: 18

249 Asp Lys Phe Pro Thr Phe Asn Phe Glu

250 1 5

253 &lt;210&gt; SEQ ID NO: 19

254 &lt;211&gt; LENGTH: 7

255 &lt;212&gt; TYPE: PRT

256 &lt;213&gt; ORGANISM: rat

W--&gt; 257 &lt;400&gt; SEQUENCE: 19

258 Asp Pro Lys Phe Glu Val Leu

259 1 5

262 &lt;210&gt; SEQ ID NO: 20

263 &lt;211&gt; LENGTH: 5

264 &lt;212&gt; TYPE: PRT

265 &lt;213&gt; ORGANISM: rat

W--&gt; 266 &lt;400&gt; SEQUENCE: 20

267 Asp Lys Pro Gln Ser

268 1 5

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002

TIME: 01:27:22

Input Set : A:\Osanai Seq Lst 1-4-02.txt  
Output Set: N:\CRF3\02072002\I831951A.raw

L: 2 M:283 W: Missing Blank Line separator, <120> field identifier  
L: 3 M:283 W: Missing Blank Line separator, <130> field identifier  
L: 4 M:283 W: Missing Blank Line separator, <140> field identifier  
L: 4 M:270 C: Current Application Number differs, Replaced Current Application Number  
L: 5 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L: 8 M:283 W: Missing Blank Line separator, <160> field identifier  
L:14 M:283 W: Missing Blank Line separator, <400> field identifier  
L:36 M:283 W: Missing Blank Line separator, <400> field identifier  
L:59 M:283 W: Missing Blank Line separator, <220> field identifier  
L:60 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
L:63 M:283 W: Missing Blank Line separator, <400> field identifier  
L:70 M:283 W: Missing Blank Line separator, <400> field identifier  
L:96 M:283 W: Missing Blank Line separator, <400> field identifier  
L:117 M:283 W: Missing Blank Line separator, <220> field identifier  
L:118 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:121 M:283 W: Missing Blank Line separator, <400> field identifier  
L:128 M:283 W: Missing Blank Line separator, <220> field identifier  
L:129 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
L:132 M:283 W: Missing Blank Line separator, <400> field identifier  
L:139 M:283 W: Missing Blank Line separator, <220> field identifier  
L:140 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:143 M:283 W: Missing Blank Line separator, <400> field identifier  
L:150 M:283 W: Missing Blank Line separator, <220> field identifier  
L:151 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9  
L:154 M:283 W: Missing Blank Line separator, <400> field identifier  
L:161 M:283 W: Missing Blank Line separator, <220> field identifier  
L:162 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
L:166 M:283 W: Missing Blank Line separator, <400> field identifier  
L:173 M:283 W: Missing Blank Line separator, <220> field identifier  
L:174 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:178 M:283 W: Missing Blank Line separator, <400> field identifier  
L:185 M:283 W: Missing Blank Line separator, <400> field identifier  
L:194 M:283 W: Missing Blank Line separator, <400> field identifier  
L:205 M:283 W: Missing Blank Line separator, <400> field identifier  
L:215 M:283 W: Missing Blank Line separator, <400> field identifier  
L:225 M:283 W: Missing Blank Line separator, <400> field identifier  
L:238 M:283 W: Missing Blank Line separator, <400> field identifier  
L:248 M:283 W: Missing Blank Line separator, <400> field identifier  
L:257 M:283 W: Missing Blank Line separator, <400> field identifier  
L:266 M:283 W: Missing Blank Line separator, <400> field identifier  
L:275 M:283 W: Missing Blank Line separator, <220> field identifier  
L:276 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
L:279 M:283 W: Missing Blank Line separator, <400> field identifier  
L:287 M:283 W: Missing Blank Line separator, <220> field identifier  
L:288 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22  
L:291 M:283 W: Missing Blank Line separator, <400> field identifier  
L:299 M:283 W: Missing Blank Line separator, <220> field identifier  
L:300 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002

TIME: 07:27:22

Input Set : A:\Osanai Seq Lst 1-4-02.txt  
Output Set: N:\CRF3\02072002\I831951A.raw

L:303 M:283 W: Missing Blank Line separator, <400> field identifier  
L:311 M:283 W: Missing Blank Line separator, <220> field identifier  
L:312 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24  
L:315 M:283 W: Missing Blank Line separator, <400> field identifier